

TC-06S1N8AT0EN - Cable connector

1612165

<https://www.phoenixcontact.com/us/products/1612165>



Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



M23, Cable connector, angled, Bayonet locking, No. of pos.: 6, Direction of rotation: Standard, contact connection type: Socket, Crimp connection, cable diameter range: 3 mm ... 10.5 mm, coding: N, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1242632

Commercial data

Item number	1612165
Packing unit	8 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	ABRIDA
GTIN	4046356878791
Weight per piece (including packing)	148 g
Weight per piece (excluding packing)	140.34 g
Country of origin	DE

TC-06S1N8AT0EN - Cable connector

1612165

<https://www.phoenixcontact.com/us/products/1612165>



Technical data

Notes

Order information:	Order crimp contacts Ø 2 mm separately
--------------------	--

Product properties

Product type	Circular connector (cable-side)
--------------	---------------------------------

Connector

Insulating body

Note	Order information: Order crimp contacts Ø 2 mm separately
Coding	N
Material (Insulating body)	PA 6.6
Connection method	Crimp connection
Contact switching type	Socket
Application	Signal
Number of positions	6
Direction of rotation	Standard
Connection profile	6
Number Contact (Contact group 1)	6
Diameter Contact (Contact group 1)	2 mm
Rated current Contact (Contact group 1)	20 A (for max. connection cross section)
Rated voltage Contact (Contact group 1)	48 V AC 74 V DC
Rated surge voltage	1.5 kV
Overshoot category	III
Degree of pollution	3

Housing

Type	Cable connector housing
Thread type	M23
Design	angled
Type of locking	Bayonet locking
Degree of protection (plugged in)	IP67

Seal

External cable diameter	3 mm ... 10.5 mm
Seal material	NBR

Environmental and real-life conditions

Ambient conditions

Permissible humidity (storage/transport)	50 % ... 65 %
--	---------------

TC-06S1N8AT0EN - Cable connector

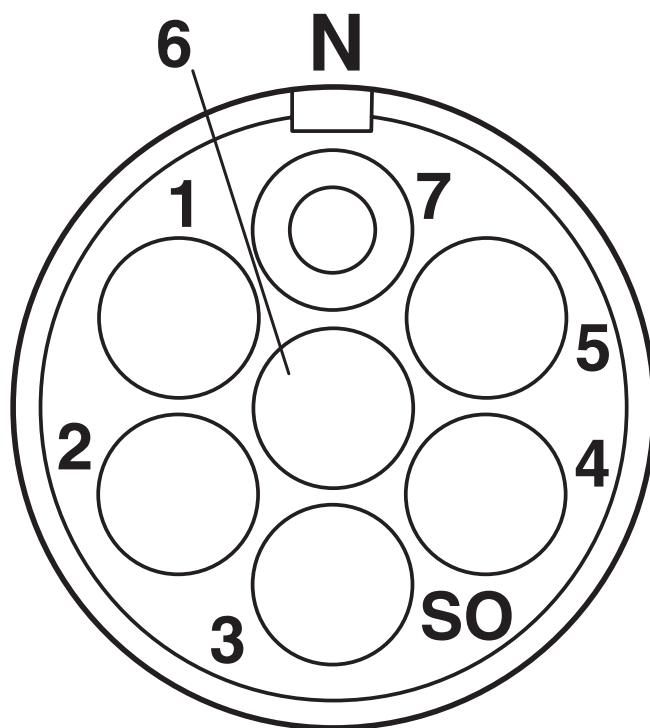
1612165

<https://www.phoenixcontact.com/us/products/1612165>



Drawings

Schematic diagram



Connector pin assignment

TC-06S1N8AT0EN - Cable connector

1612165

<https://www.phoenixcontact.com/us/products/1612165>



Classifications

ECLASS

ECLASS-13.0	27440116
-------------	----------

ETIM

ETIM 8.0	EC002635
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

TC-06S1N8AT0EN - Cable connector

1612165

<https://www.phoenixcontact.com/us/products/1612165>



Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.	

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	35c35ed5-bf85-4fab-89cc-9723096f024f

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA

586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com